

## ABSTRACT

A method and system for monitoring wireless network conditions. Two mobile stations are coupled with a computer. The first mobile station interacts with the network and thereby establishes diagnostic data concerning network conditions. The first mobile station then reports 5 that diagnostic data to the computer. As the computer receives the diagnostic data from the first mobile station, the computer obtains location data indicative of the current location of the first mobile station. The computer then provides the diagnostic data and corresponding location data to the second mobile station, which in turn transmits the data to a remote entity via the wireless communications network. As the remote entity receives the data, the remote entity may generate output reports and alerts as desired. Conveniently, the combination of the mobile stations and computer may be mounted in a vehicle and carried around a geographic area, so as to automatically report diagnostic data to the remote entity from a variety of locations.

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